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INFORMATION REPORT

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COUNTRY Rumania

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SUBJECT Cement Factory at Fieni

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1. The Fieni Cement Factory (Fabrica de Ciment Fieni) formerly known as Fabrica de Ciment Dambovita is located eight kilometers south of Petrosita on the railroad from Titu to Petrosita. In the town of Fieni the factory is located west of the railroad track between the tracks and the highway from Targoviste to Petrosita.
2. The factory, which is under the control of the Directorate of Construction Materials of the Ministry of Construction, produces cement and lime. In 1951 the factory was enlarged at a cost of 800 million lei, and an additional 400 million lei have been authorized to complete the overhauling of the plant. It is expected that the work will be completed in the second quarter of 1952.
3. For the production of cement the factory uses two raw materials which it extracts from nearby quarries:
 - a. A soft stone called marna in Rumanian is extracted from the Runcul quarry located approximately 10 kilometers northwest of Fieni. Runcul is connected to the Fieni factory by a narrow gauge railroad. Informant estimates that there are 30 railroad cars in operation on that railroad. The wagons are pulled by two steam engines. The trains, which operate intermittently, are estimated to carry approximately 300 tons of marna daily from Runcul to Fieni. At Runcul marna is quarried with dynamite.
 - b. A hard limestone (calcar) is quarried in the Petrosita area about 20 kilometers north of Fieni. The stone is quarried by placing dynamite in holes drilled by pneumatic drills operated with compressed air. The compressed air, which is produced at the factory in Fieni, is

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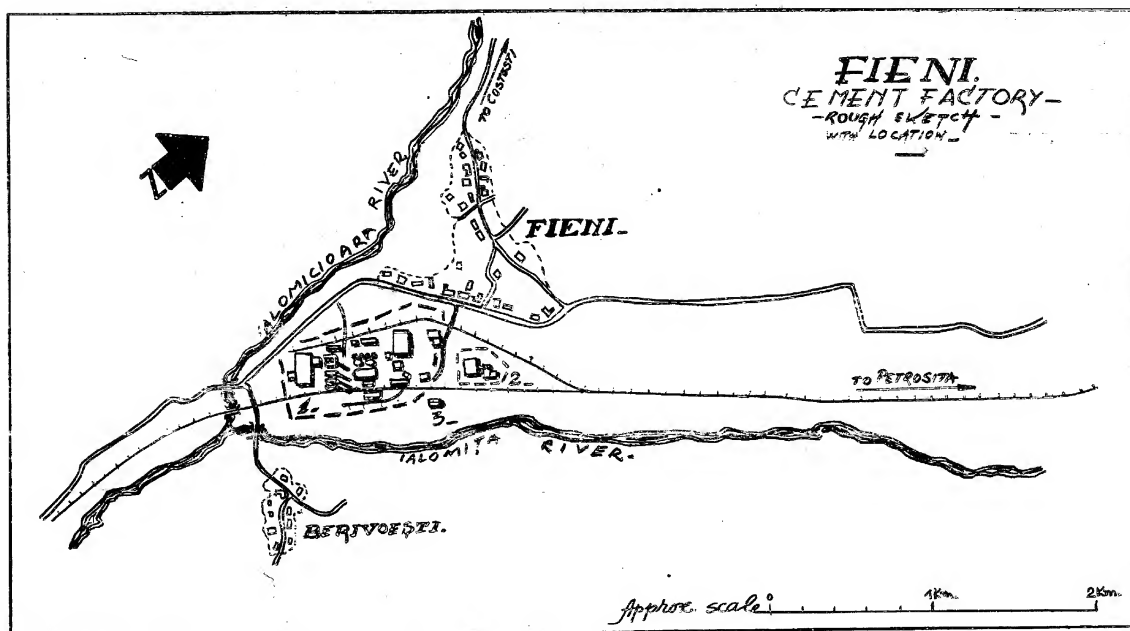
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directed to the quarry by special pipes. A funicular railway connects the quarry with Fieni. The machinery for the operation of the funicular railway is located in the factory at Fieni. In 1951 work was begun on the construction of a narrow gauge railroad to connect the quarry with Fieni. Informant believes that the railroad, which was being built by the Special Works Section of the Rumanian Railroads (CFR), was supposed to have been put in operation in March 1952.

4. Prior to the recent enlargement of the factory, the limestone, upon arrival at the factory in the cable cars, was dumped in an open yard. The marna was stored in open sheds with concrete roofs. Recently, however, with the delivery of four new stone crushers constructed by the 23 August Factory (formerly the Malaxa Factory) in Bucharest and installed by Sovrom-constructie #3, both the limestone and the marna are immediately crushed and the product is moved to a hall for raw materials (hala de materii prime) by means of two 82 meters long conveyor belts. This hall is 120 meters long, 26 meters wide, and 24 meters high. A shovel suspended from the ceiling operates along the length of the hall. From the hall the marna and limestone are moved to large storehouses which supply the mills.
5. The factory's machinery was constructed by the 23 August Factory and was recently installed by Enterprises for Special Industrial and Metallurgical Works (ICSIM) (Intreprinderile de Constructii Speciale Industriale Metalurgice). From the mills the product is dumped in "homogenization basins" (bazinele de homogenizare). There are two such basins in Fieni. Both are built in concrete and are 20 meters in diameter and 5.5 meters high. The basins are buried 3.3 meters in the earth. A building to cover both basins and four new basins, each seven meters in diameter and seven meters high, was to be constructed in the second quarter of 1952.
6. From the "homogenization basins" the thick liquid is pumped to revolving ovens. There were five revolving ovens at Fieni: one small one with a chimney, two large ones, each with one chimney, and two new ovens which are identical with the two large ovens and which use one chimney jointly.
7. From the ovens the product (called "klinker") goes to baking platforms (platforme de coacere) for cooling. The klinker is then stored in a large building 104 meters long, 26 meters wide, and 24 meters high. From this building the klinker is taken to special storehouses which feed the cement mills. The final product is stored in special storehouses near the railroad tracks. The final product was no longer being packed in bags, but was dumped into railroad cars. According to informant, because of the lack of bags about 2,000 kilograms of cement were lost from each railroad car during transportation of the cement.
8. Electricity in Fieni is supplied by the Grozavesti power plant. There is a local power plant located about 800 meters south of the railroad track and about 25 meters west of the railroad track.
9. The factory is also supplied with natural gases by pipes from Sinaia. In December 1951 a station for the distribution of the gas and the control of its pressure and volume was installed in the factory's yard.
10. The factory employs approximately 2,000 workers in three shifts. The director of the factory is a certain Andreas, age 48, a member of the Communist Party. The chief engineer is a certain Medveski, age 46, a very capable engineer. Other engineers were a certain Berghianu, age 45, a certain Branzoi, age 32, and a certain Dinescu, age 36. None were members of the Communist Party.
11. There are attached two sketches of the cement factory at Fieni. (Attachments A and B).

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Attachment A



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Legend to Attachment B

1. Workers' club
2. Infirmary
3. Baths
4. Materials storehouse
5. Stone mill
6. Stone crushers
7. Cable car station where limestone from Petrosita quarries is unloaded
8. Stone crushers
9. Compressors
10. Storehouses (silos)
11. Blacksmith shop
12. Factory
13. A rolling band to take the limestone from the stone crusher to the factory
14. Two concrete "homogenization basins"
15. Four small "homogenization basins"
16. Workers' canteen
17. Offices
18. Offices
19. Five furnaces for cement
20. Platform
21. Materials storeroom
22. Stone mill
23. Office building
24. Electric Power plant
25. An aerial pipe for water connecting the glass factory in the neighborhood with the electric power plant
26. A narrow gauge railroad. On this track "marna" is brought from Runcul.
27. Area of private buildings
28. Glass factory
29. Fieni railroad station
30. To the limestone quarry, 20 kilometers away

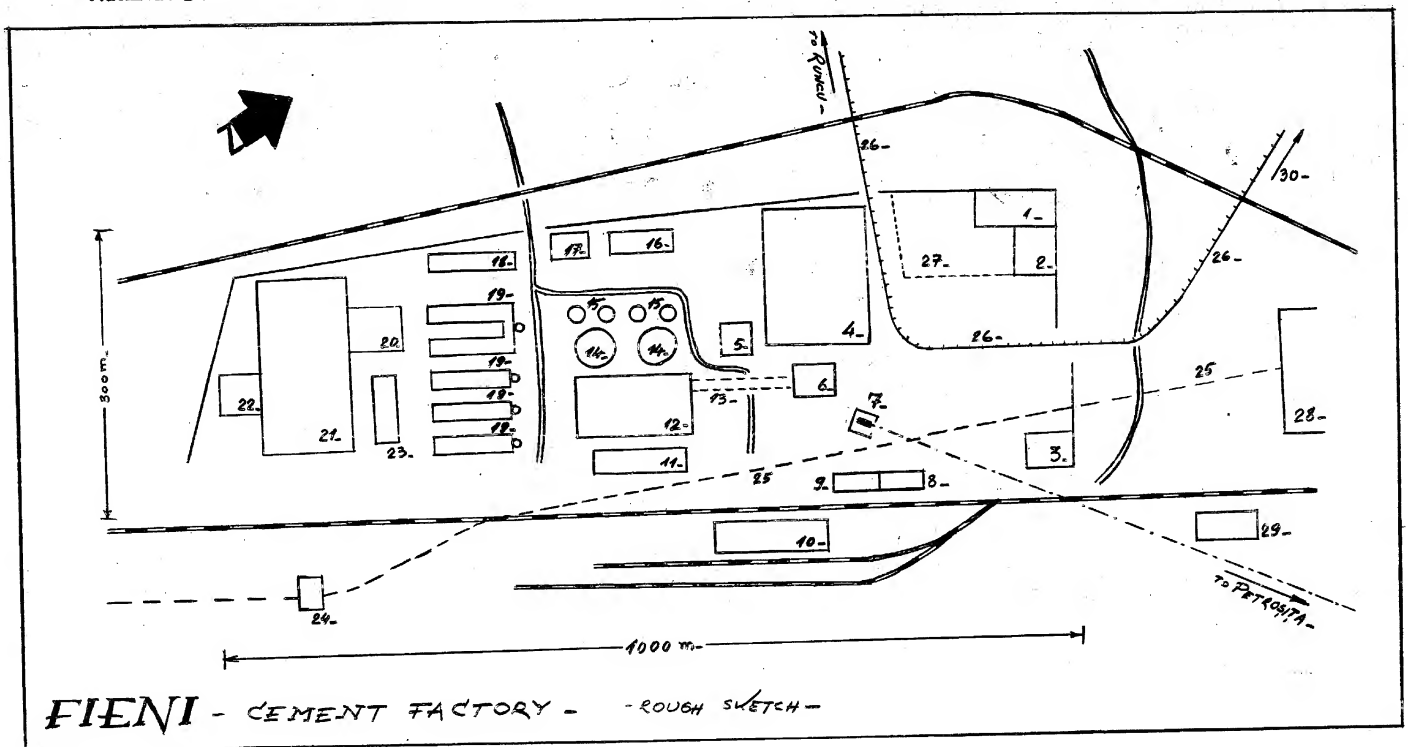
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Attachment B



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